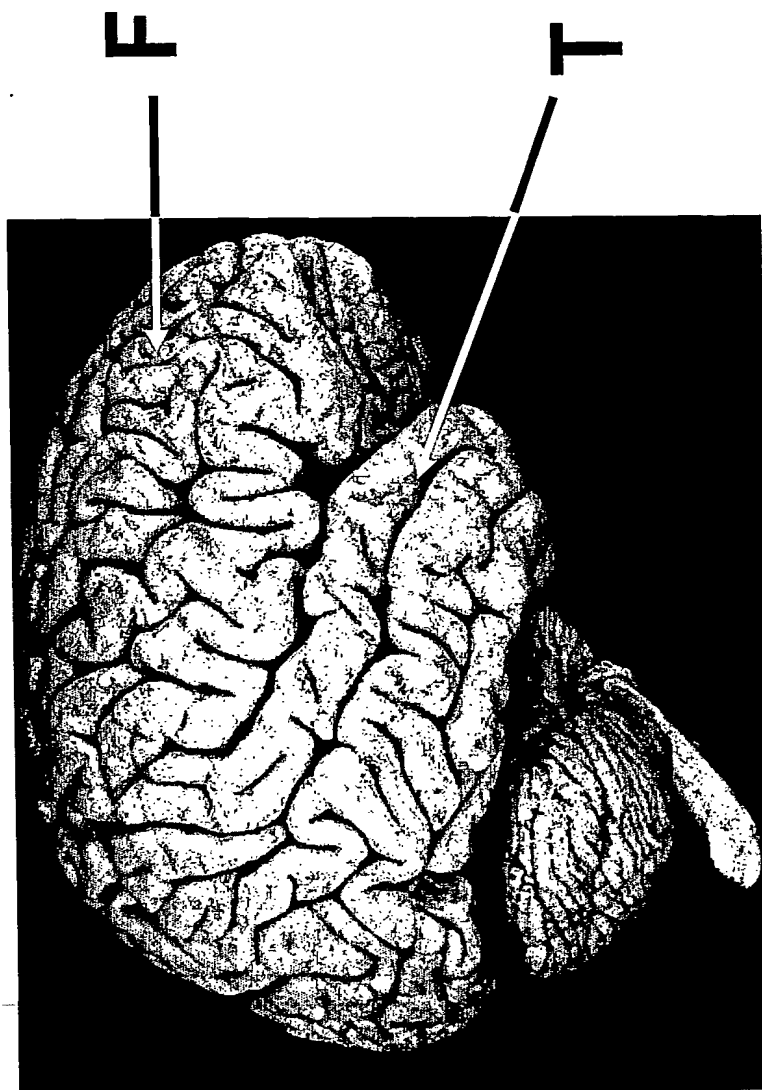


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**Fig. 1: Identification of genes involved in
Alzheimer's Disease pathology**



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Fig. 2: Differential expression of StAR as determined by RT-PCR analysis

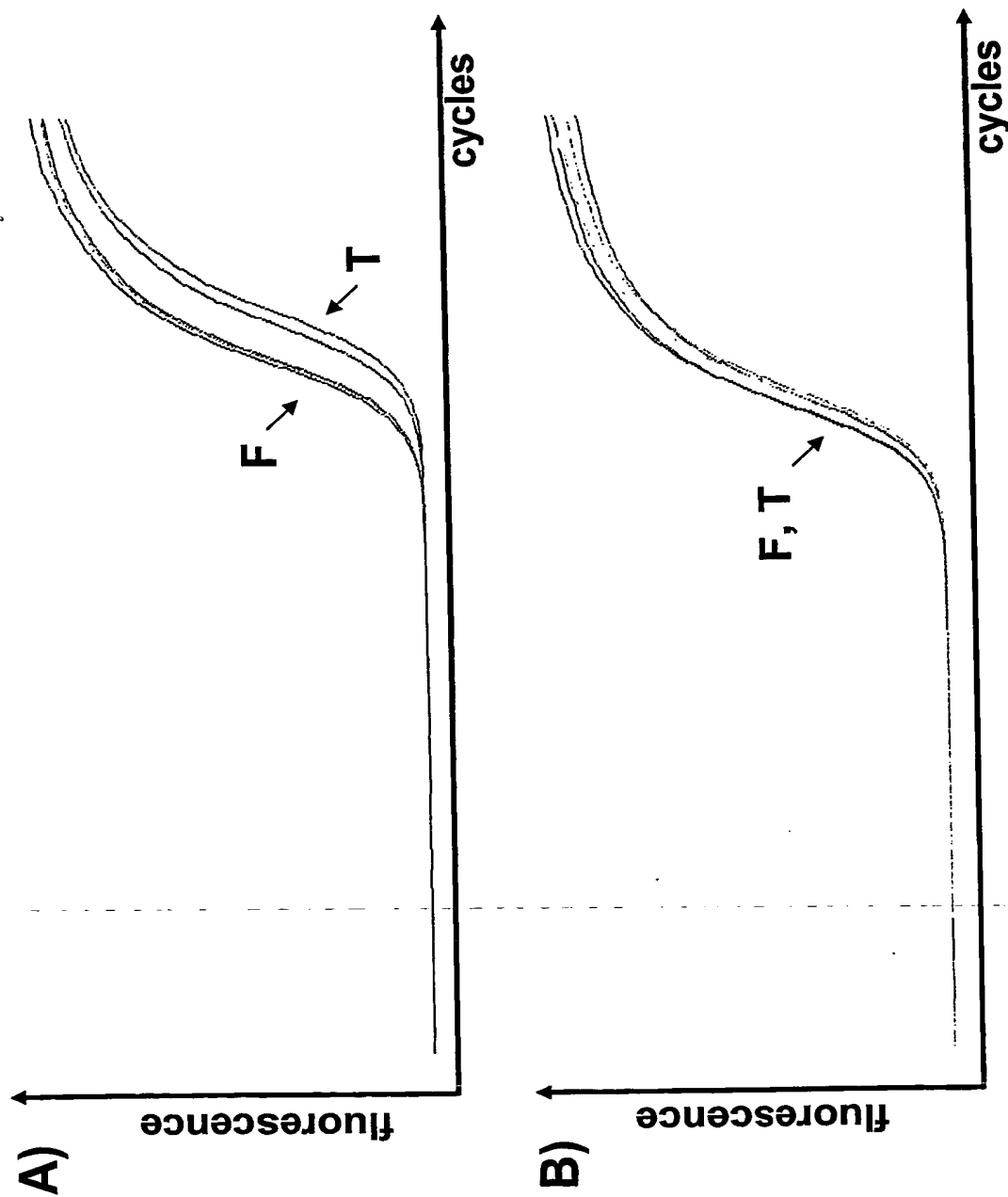
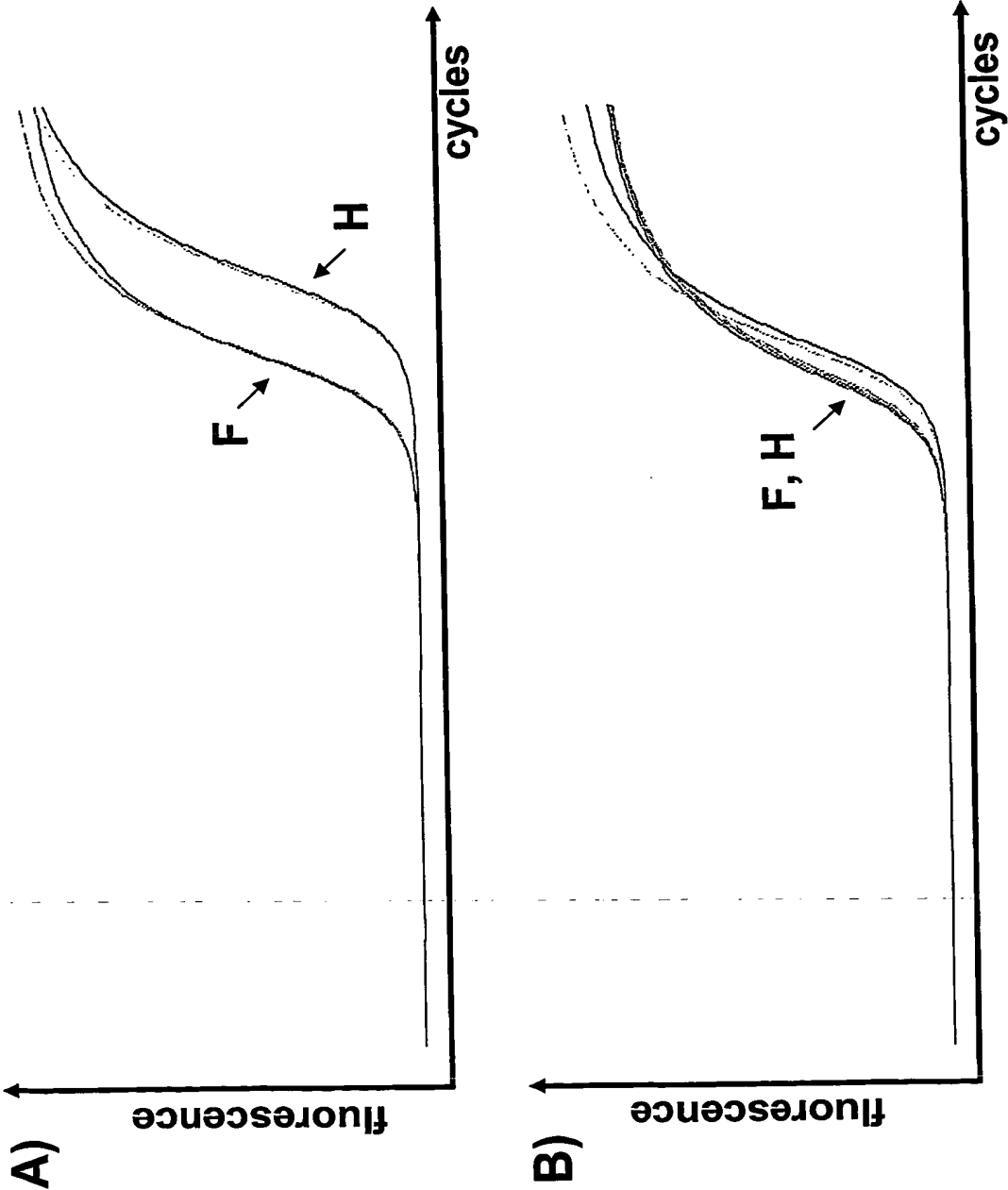


Fig. 3: Differential expression of StAR as determined by RT-PCR analysis



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**Fig. 4: Schematic alignment of StAR RT-PCR primers
with human StAR cDNA (GenBank accession number
U17280)**



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**Fig. 5: Alignment of StAR RT-PCR primers
with StAR cDNA,
GenBank accession number U17280**

```
1 CCAATGTCAAGGAGATCAAGGTC 23
  |||||
572 CCAATGTCAAGGAGATCAAGGTC 594
```

```
1 ACATTCATTACTCACGAGCTGGC 23
  |||||
616 ACATTCATTACTCACGAGCTGGC 638
```

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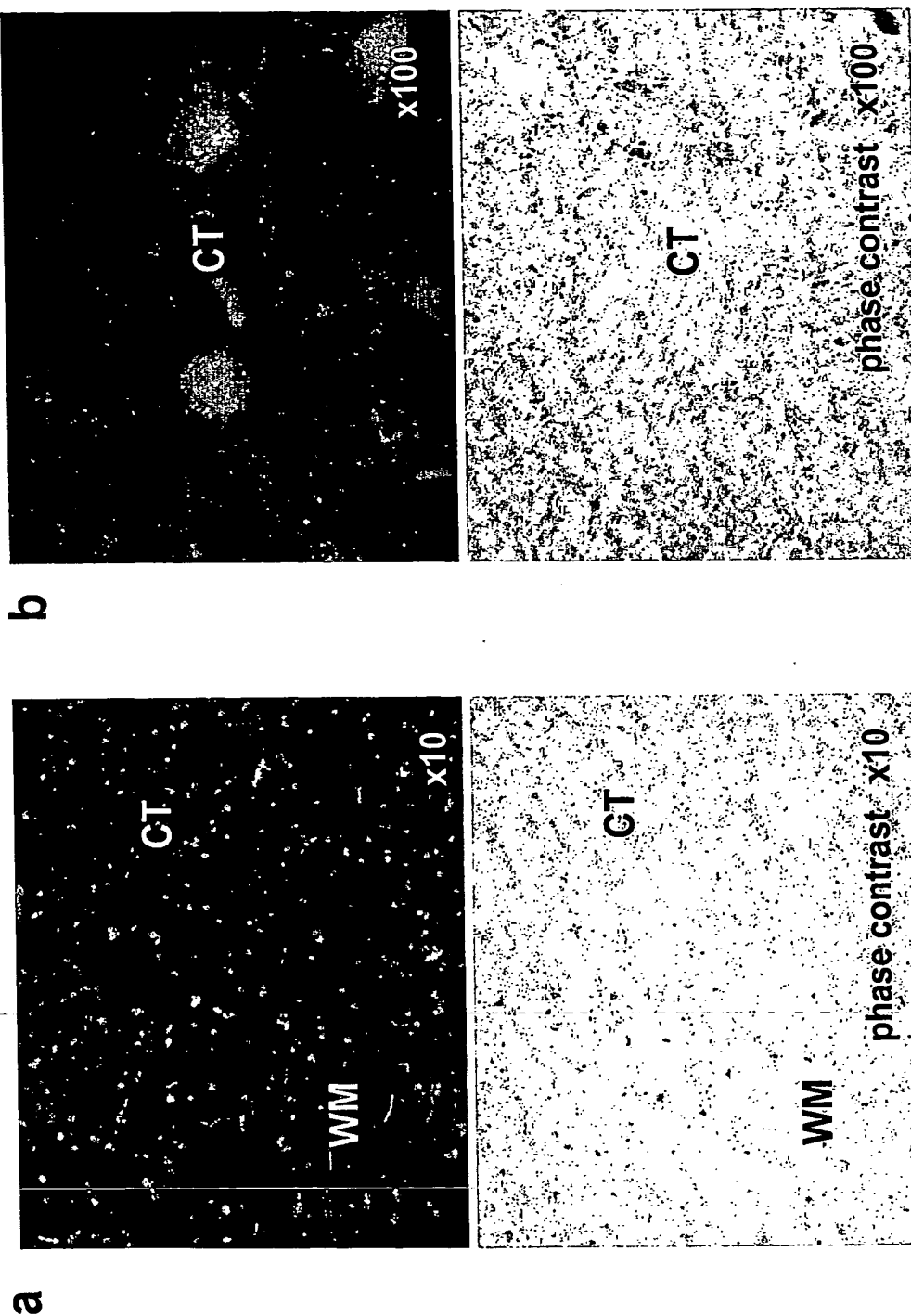
**Fig. 6: SEQ ID NO.1:
amino acid sequence of human StAR**

Length: 285 aa

```
1  MLLATFKLCA GSSYRHMRNM KGLRQQAVMA ISQELNRRAL GGPTPSTWIN
51  QVRRRSSLLG SRLEETLYSD QELAYLQQGE EAMQKALGIL SNQEGWKKEs
101 QQDNGDKVMS KVVPDVGKVF RLEVVDQPM ERLYEELVER MEAMGEWNPn
151 VKEIKVLQKI GKDTFITHEL AAEEAAGNLVG PRDFVSVRCA KRRGSTCVLA
201 GMDTDFGNMP EQKGVIRAEH GPTCMVLHPL AGSPSKTKLT WLLSIDLKGW
251 LPKSIINQVL SQTQVDFANH LRKRLESHPA SEARC
```

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**Fig. 7: Images of the human cerebral cortex
labeled with anti-StAR antibodies and with DAPI**



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Table 1 :

sample	Δ (fold) (frontal / temporal cortex)
control C011	1.74
control C012	2.25
control C014	0.59
control C005	1.22
control C008	1.96
patient P012	6.16
patient P016	1.72
patient P010	2.00
patient P011	4.28
patient P014	2.36
patient P017	7.30
patient P019	6.23

